

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P638296

Luminaire Tested: GWS-SA4E-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4E-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31735.9 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

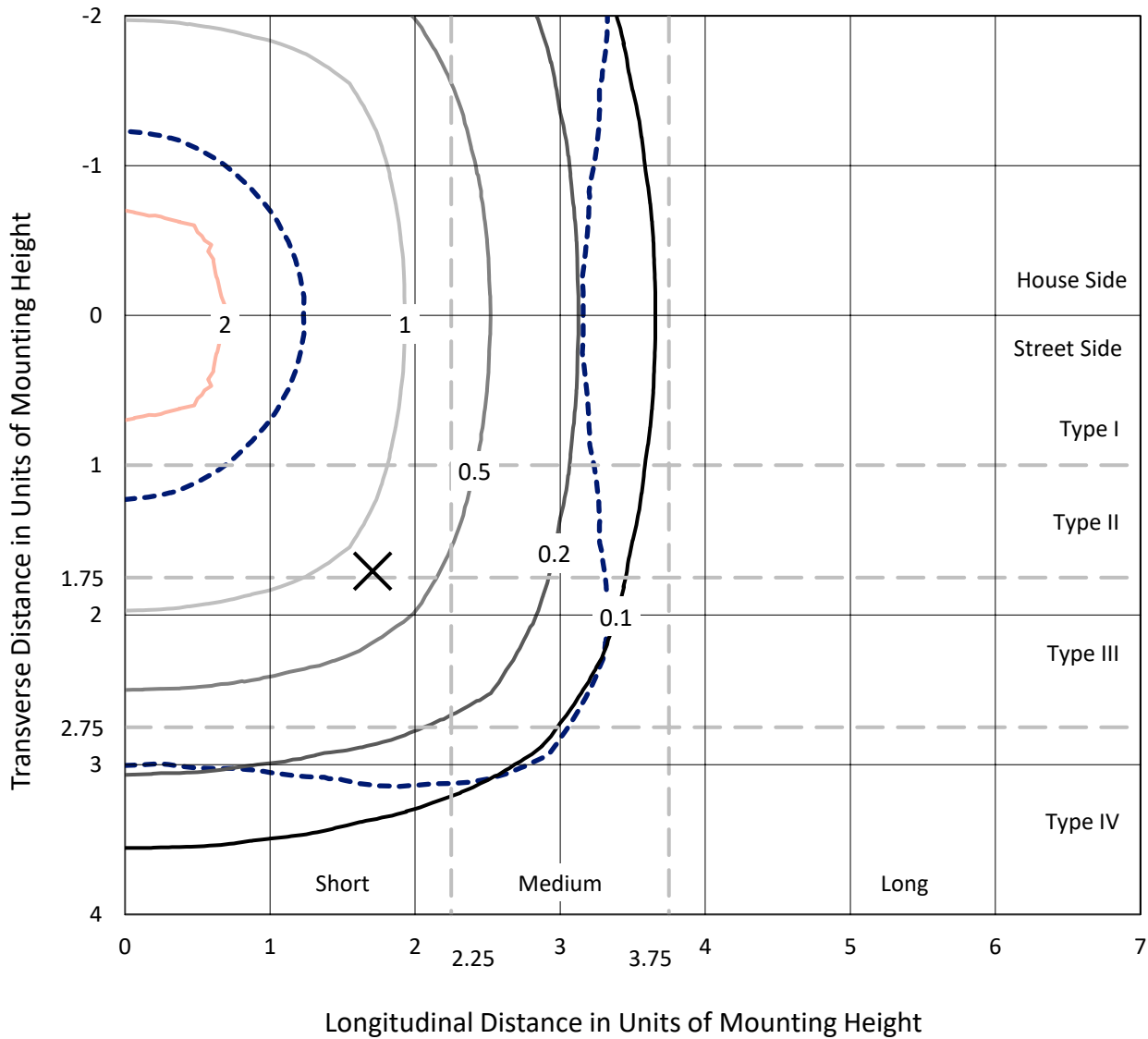
Input Watts (W): 202.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

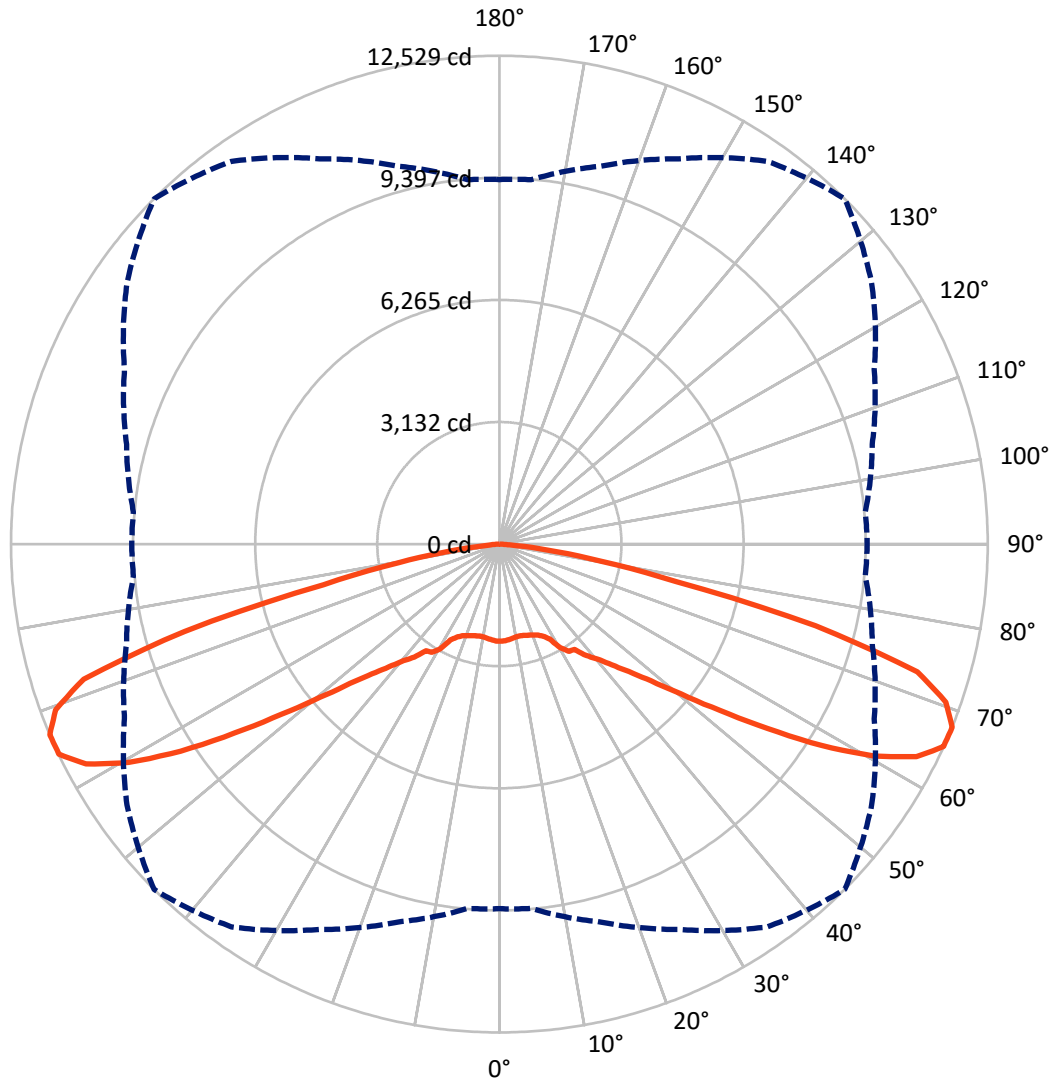
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15867.9	0.0	15867.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15867.9	0.0	15867.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	31735.9	0.0	31735.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.7	0.7
10°-20°	693.4	2.2
20°-30°	1243.9	3.9
30°-40°	2101.4	6.6
40°-50°	3692.1	11.6
50°-60°	7122.2	22.4
60°-70°	10333.4	32.6
70°-80°	5912.3	18.6
80°-90°	403.5	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	31735.9	100.0
0°-180°	31735.9	100.0

Coefficient of Utilization



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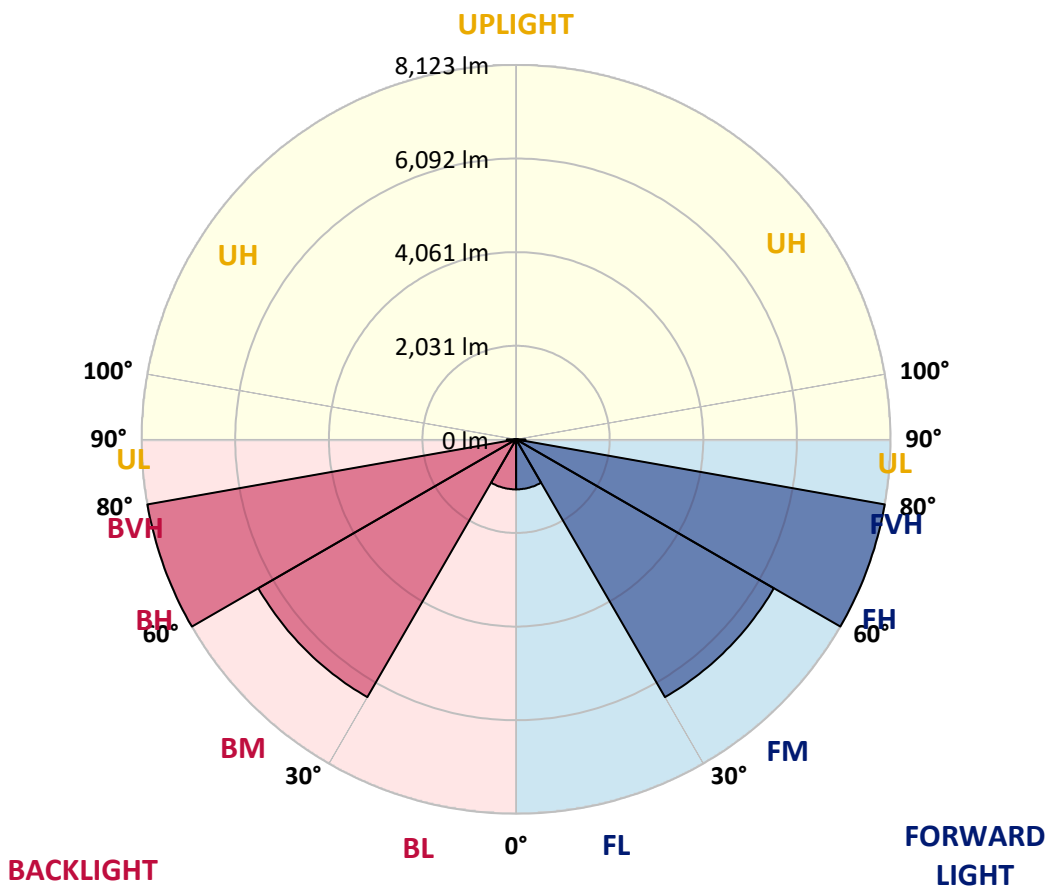
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1085.5	3.4			
FM (30°-60°)	6457.8	20.3			
FH (60°-80°)	8122.8	25.6			G4/12000
FVH (80°-90°)	201.8	0.6			G2/225
BL (0°-30°)	1085.5	3.4	B3/2500		
BM (30°-60°)	6457.8	20.3	B4/8500		
BH (60°-80°)	8122.8	25.6	B5		G4/12000
BVH (80°-90°)	201.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2488.7	2488.7	2488.7	2488.7	2488.7	2488.7	2488.7	2488.7	2488.7	2488.7	2488.7
2.5°	2468.5	2470.8	2475.3	2475.3	2479.8	2486.5	2488.7	2484.3	2486.5	2475.3	2486.5
5°	2461.8	2464.1	2466.3	2461.8	2461.8	2464.1	2464.1	2459.6	2461.8	2450.6	2461.8
7.5°	2446.1	2448.3	2448.3	2441.6	2434.9	2439.4	2439.4	2434.9	2437.1	2425.9	2439.4
10°	2432.6	2432.6	2430.4	2416.9	2410.2	2416.9	2419.2	2421.4	2430.4	2421.4	2437.1
12.5°	2441.6	2441.6	2434.9	2416.9	2405.7	2410.2	2414.7	2419.2	2434.9	2432.6	2450.6
15°	2466.3	2468.5	2450.6	2430.4	2423.7	2430.4	2425.9	2423.7	2443.9	2450.6	2470.8
17.5°	2486.5	2486.5	2464.1	2443.9	2446.1	2457.3	2448.3	2437.1	2457.3	2470.8	2493.2
20°	2504.5	2502.2	2477.5	2464.1	2473.0	2488.7	2482.0	2466.3	2479.8	2495.5	2515.7
22.5°	2549.3	2547.1	2520.2	2513.4	2522.4	2538.1	2531.4	2517.9	2533.6	2556.1	2580.8
25°	2677.2	2672.8	2632.4	2609.9	2605.4	2616.7	2614.4	2609.9	2634.6	2661.5	2690.7
27.5°	2847.8	2845.6	2816.4	2793.9	2764.8	2755.8	2762.5	2782.7	2818.6	2838.8	2863.5
30°	2933.1	2933.1	2928.6	2964.5	3027.3	3087.9	3040.8	2964.5	2933.1	2924.1	2948.8
32.5°	3045.3	3056.5	3040.8	3081.2	3186.7	3276.4	3186.7	3063.2	3040.8	3040.8	3067.7
35°	3303.4	3307.9	3283.2	3276.4	3310.1	3321.3	3278.7	3233.8	3258.5	3263.0	3296.6
37.5°	3509.8	3509.8	3498.6	3516.6	3586.1	3628.8	3559.2	3478.4	3485.1	3489.6	3532.3
40°	3828.5	3837.5	3810.5	3808.3	3835.2	3873.4	3799.3	3747.7	3783.6	3794.8	3859.9
42.5°	4225.7	4225.7	4185.3	4174.1	4192.0	4232.4	4162.9	4129.2	4176.3	4185.3	4223.5
45°	4699.2	4710.4	4656.6	4636.4	4645.4	4658.8	4609.4	4593.7	4638.6	4658.8	4726.1
47.5°	5276.0	5287.2	5240.0	5237.8	5228.8	5237.8	5190.7	5181.7	5217.6	5201.9	5273.7
50°	5987.3	6007.5	5967.1	6023.3	6016.5	6043.4	5978.4	5931.2	5931.2	5888.6	5929.0
52.5°	6784.0	6824.4	6844.6	6938.9	7010.7	7078.0	6970.3	6896.2	6788.5	6701.0	6810.9
55°	7652.5	7641.3	7769.2	7975.6	8186.6	8345.9	8135.0	7901.6	7726.5	7544.8	7587.4
57.5°	8413.3	8451.4	8619.7	8996.7	9414.1	9750.8	9371.5	8922.7	8525.5	8265.1	8301.0
60°	9046.1	9077.5	9301.9	9845.0	10574.3	11038.9	10437.5	9696.9	9120.2	8761.1	8799.2
62.5°	9629.6	9658.7	9885.4	10484.6	11404.7	12010.6	11234.1	10222.0	9580.2	9218.9	9241.3
65°	9966.2	9984.1	10293.8	10924.4	11893.9	12520.0	11644.8	10601.3	9970.7	9602.6	9616.1
67.5°	9353.5	9382.7	10035.8	10906.5	11988.2	12529.0	11662.8	10612.5	9903.4	9423.1	9434.3
70°	7378.7	7354.0	8132.7	9629.6	11447.3	12152.0	11144.4	9815.8	8720.7	8049.7	8038.5
72.5°	5626.0	5632.8	6065.9	7091.5	9333.3	11213.9	9833.8	7903.8	6723.4	6214.0	6193.8
75°	4079.8	4142.7	4495.0	5246.8	6528.2	8381.8	7403.4	5857.2	5067.2	4762.0	4717.2
77.5°	1837.9	1918.7	2410.2	3294.4	4364.8	4631.9	4649.8	3976.6	3000.4	2493.2	2414.7
80°	536.3	574.5	738.3	1263.4	2033.2	2627.9	2087.0	1754.9	1092.9	857.3	816.9
82.5°	226.7	258.1	316.4	350.1	590.2	1218.6	758.5	482.5	448.8	363.5	332.1
85°	96.5	103.2	132.4	141.4	190.8	260.3	240.1	217.7	208.7	161.6	148.1
87.5°	40.4	40.4	40.4	35.9	33.7	35.9	49.4	62.8	83.0	65.1	60.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)